

SEQUENCE LISTING

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Catherine, Napper E  
Fry, Jeremy W  
Pang, Susan

<120> CHIMERIC MHC PROTEIN AND OLIGOMER THEREOF

<130> S-844-US

<140> US 10/769,831

<141> 2004-02-02

<150> PCT/EP03/09056

<151> 2003-08-14

<160> 24

<170> PatentIn version 3.4

<210> 1

<211> 9

<212> PRT

<213> Epstein-Barr virus

<400> 1

Gly Leu Cys Thr Leu Val Ala Met Leu

1

5

<210> 2

<211> 38

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 2

gcataccat atgatccagc gtactccaaa gattcagg

38

<210> 3

<211> 36

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 3

ctacaaggat cccatgtctc gatcccaactt aactat

36

<210> 4

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 4

taatacgact cactataggg

20

<210> 5  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<223> Oligonucleotide (reverse)

<400> 5  
gctagttatt gctcagcgg  
19

<210> 6  
<211> 15  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic Construct

<400> 6

Ser Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp His Glu  
1 5 10 15

<210> 7  
<211> 15  
<212> PRT  
<213> Artificial

<220>

<223> Synthetic Construct

<400> 7

Pro	Gln	Pro	Gln	Pro	Lys	Pro	Gln	Pro	Lys	Pro	Glu	Pro	Glu	Thr
1				5					10					15

<210> 8

<211> 80

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 8

taaagcttca gggccagagc ccgttgggct cagacctggg cccgcagatg cttcggggaac  
60

tgcaggaaac caacgcggcg

80

<210> 9

<211> 81

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 9

gaacgtgatc tccctgacct gctgccgcag cagctcccgc acgtcctgca gcgccgcggtt  
60

ggtttcctgc agttcccgaa g

81

<210> 10

<211> 81

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 10

ctgcaggacg tccgggagct gctgcggcag caggtcaggg agatcacgtt cctgaaaaac

60

acggtgatgg agtgtgacgc g

81

<210> 11

<211> 80

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 11

tacggccgca cgctgggtag gccggtgcgt actgactgct gcatcccgca cgcgtcacac

60

tccatcaccg tgtttttcag

80

<210> 12

<211> 108

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 12

tgcgggatgc agcagtcagt acgcaccggc ctaccacagcg tacggccgcc gcagccgcag  
60

ccgaaaccgc agccgaaacc ggaaccggaa actagtttga acgacatc  
108

<210> 13

<211> 96

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 13

tactcgagtt cgtgccattc gattttctga gcctcgaaga tgcggttcaa actagtttcc  
60

ggttccggtt tcggctgcgg tttcggctgc ggctgc  
96

<210> 14

<211> 72

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 14

gatccggtgg tggtaggttct ggtggtggtg gttctggtgg tggtaggttct ggtggtggtg  
60

gttctggtgg ta

72

<210> 15

<211> 72

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 15

agcttaccac cagaaccacc accaccagaa ccaccaccac cagaaccacc accaccagaa  
60

ccaccaccac cg

72

<210> 16

<211> 25

<212> PRT

<213> Artificial

<220>

<223> Synthetic Construct

<400> 16

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
1 5 10 15

Ser Gly Gly Gly Gly Ser Gly Gly Lys  
20 25

<210> 17

<211> 24

<212> PRT

<213> Artificial

<220>

<223> Synthetic Construct

<400> 17

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
1 5 10 15

Gly Gly Gly Gly Ser Gly Gly Lys  
20

<210> 18

<211> 22

<212> DNA



<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 18

gagacatggg aggtggtggt gg

22

<210> 19

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 19

ccaccaccac ctcccatgtc tc

22

<210> 20

<211> 35

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (forward)

<400> 20

gcataccat gggttctcac tctatgaggt atttc

35

<210> 21

<211> 37

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide (reverse)

<400> 21

gcatacggat ccttacggct cccatctcag ggtgagg

37

<210> 22

<211> 64

<212> PRT

<213> Rat

<400> 22

Gln Gly Gln Ile Pro Leu Gly Gly Asp Leu Ala Pro Gln Met Leu Arg

1

5

10

15

Glu Leu Gln Glu Thr Asn Ala Ala Leu Gln Asp Val Arg Glu Leu Leu

20

25

30

Arg Gln Gln Val Lys Glu Ile Thr Phe Leu Lys Asn Thr Val Met Glu

35

40

45

Cys Asp Ala Cys Gly Met Gln Pro Ala Arg Thr Pro Gly Leu Ser Val

50

55

60

<210> 23  
<211> 757  
<212> PRT  
<213> Homo sapiens

<300>  
<308> Genbank/1705995  
<309> 1996-10-01  
<313> (1)..(757)

<400> 23

Met Val Pro Asp Thr Ala Cys Val Leu Leu Leu Thr Leu Ala Ala Leu  
1 5 10 15

Gly Ala Ser Gly Gln Gly Gln Ser Pro Leu Gly Ser Asp Leu Gly Pro  
20 25 30

Gln Met Leu Arg Glu Leu Gln Glu Thr Asn Ala Ala Leu Gln Asp Val  
35 40 45

Arg Asp Trp Leu Arg Gln Gln Val Arg Glu Ile Thr Phe Leu Lys Asn  
50 55 60

Thr Val Met Glu Cys Asp Ala Cys Gly Met Gln Gln Ser Val Arg Thr  
65 70 75 80

Gly Leu Pro Ser Val Arg Pro Leu Leu His Cys Ala Pro Gly Phe Cys

85

90

95

Phe Pro Gly Val Ala Cys Ile Gln Thr Glu Ser Gly Gly Arg Cys Gly  
100 105 110

Pro Cys Pro Ala Gly Phe Thr Gly Asn Gly Ser His Cys Thr Asp Val  
115 120 125

Asn Glu Cys Asn Ala His Pro Cys Phe Pro Arg Val Arg Cys Ile Asn  
130 135 140

Thr Ser Pro Gly Phe Arg Cys Glu Ala Cys Pro Pro Gly Tyr Ser Gly  
145 150 155 160

Pro Thr His Gln Gly Val Gly Leu Ala Phe Ala Lys Ala Asn Lys Gln  
165 170 175

Val Cys Thr Asp Ile Asn Glu Cys Glu Thr Gly Gln His Asn Cys Val  
180 185 190

Pro Asn Ser Val Cys Ile Asn Thr Arg Gly Ser Phe Gln Cys Gly Pro  
195 200 205

Cys Gln Pro Gly Phe Val Gly Asp Gln Ala Ser Gly Cys Gln Arg Gly  
210 215 220

Ala Gln Arg Phe Cys Pro Asp Gly Ser Pro Ser Glu Cys His Glu His  
225 230 235 240

Ala Asp Cys Val Leu Glu Arg Asp Gly Ser Arg Ser Cys Val Cys Arg  
245 250 255

Val Gly Trp Ala Gly Asn Gly Ile Leu Cys Gly Arg Asp Thr Asp Leu  
260 265 270

Asp Gly Phe Pro Asp Glu Lys Leu Arg Cys Pro Glu Pro Gln Cys Arg  
275 280 285

Lys Asp Asn Cys Val Thr Val Pro Asn Ser Gly Gln Glu Asp Val Asp  
290 295 300

Arg Asp Gly Ile Gly Asp Ala Cys Asp Pro Asp Ala Asp Gly Asp Gly  
305 310 315 320

Val Pro Asn Glu Lys Asp Asn Cys Pro Leu Val Arg Asn Pro Asp Gln  
325 330 335

Arg Asn Thr Asp Glu Asp Lys Trp Gly Asp Ala Cys Asp Asn Cys Arg  
340 345 350

Ser Gln Lys Asn Asp Asp Gln Lys Asp Thr Asp Gln Asp Gly Arg Gly  
355 360 365

Asp Ala Cys Asp Asp Asp Ile Asp Gly Asp Arg Ile Arg Asn Gln Ala  
370 375 380

Asp Asn Cys Pro Arg Val Pro Asn Ser Asp Gln Lys Asp Ser Asp Gly  
385 390 395 400

Asp Gly Ile Gly Asp Ala Cys Asp Asn Cys Pro Gln Lys Ser Asn Pro  
405 410 415

Asp Gln Ala Asp Val Asp His Asp Phe Val Gly Asp Ala Cys Asp Ser  
420 425 430

Asp Gln Asp Gln Asp Gly Asp Gly His Gln Asp Ser Arg Asp Asn Cys  
435 440 445

Pro Thr Val Pro Asn Ser Ala Gln Glu Asp Ser Asp His Asp Gly Gln  
450 455 460

Gly Asp Ala Cys Asp Asp Asp Asp Asp Asn Asp Gly Val Pro Asp Ser  
465 470 475 480

Arg Asp Asn Cys Arg Leu Val Pro Asn Pro Gly Gln Glu Asp Ala Asp  
485 490 495

Arg Asp Gly Val Gly Asp Val Cys Gln Asp Asp Phe Asp Ala Asp Lys  
500 505 510

Val Val Asp Lys Ile Asp Val Cys Pro Glu Asn Ala Glu Val Thr Leu  
515 520 525

Thr Asp Phe Arg Ala Phe Gln Thr Val Val Leu Asp Pro Glu Gly Asp  
530 535 540

Ala Gln Ile Asp Pro Asn Trp Val Val Leu Asn Gln Gly Arg Glu Ile  
545 550 555 560

Val Gln Thr Met Asn Ser Asp Pro Gly Leu Ala Val Gly Tyr Thr Ala  
565 570 575

Phe Asn Gly Val Asp Phe Glu Gly Thr Phe His Val Asn Thr Val Thr  
580 585 590

Asp Asp Asp Tyr Ala Gly Phe Ile Phe Gly Tyr Gln Asp Ser Ser Ser  
595 600 605

Phe Tyr Val Val Met Trp Lys Gln Met Glu Gln Thr Tyr Trp Gln Ala  
610 615 620

Asn Pro Phe Arg Ala Val Ala Glu Pro Gly Ile Gln Leu Lys Ala Val  
625 630 635 640

Lys Ser Ser Thr Gly Pro Gly Glu Gln Leu Arg Asn Ala Leu Trp His

645

650

655

Thr Gly Asp Thr Glu Ser Gln Val Arg Leu Leu Trp Lys Asp Pro Arg  
660 665 670

Asn Val Gly Trp Lys Asp Lys Lys Ser Tyr Arg Trp Phe Leu Gln His  
675 680 685

Arg Pro Gln Val Gly Tyr Ile Arg Val Arg Phe Tyr Glu Gly Pro Glu  
690 695 700

Leu Val Ala Asp Ser Asn Val Val Leu Asp Thr Thr Met Arg Gly Gly  
705 710 715 720

Arg Leu Gly Val Phe Cys Phe Ser Gln Glu Asn Ile Ile Trp Ala Asn  
725 730 735

Leu Arg Tyr Arg Cys Asn Asp Thr Ile Pro Glu Asp Tyr Glu Thr His  
740 745 750

Gln Leu Arg Gln Ala  
755

<210> 24

<211> 67

<212> PRT

<213> Homo sapiens



<400> 24

Gln Gly Gln Ser Pro Leu Gly Ser Asp Leu Gly Pro Gln Met Leu Arg  
1 5 10 15

Glu Leu Gln Glu Thr Asn Ala Ala Leu Gln Asp Val Arg Asp Trp Leu  
20 25 30

Arg Gln Gln Val Arg Glu Ile Thr Phe Leu Lys Asn Thr Val Met Glu  
35 40 45

Cys Asp Ala Cys Gly Met Gln Gln Ser Val Arg Thr Gly Leu Pro Ser  
50 55 60

Val Arg Pro  
65